Facts and Figures For Malihinis.

Professor Lyons' Able Article on

. the Weather of Our glands.

aich at low levels is absolutely fine driven spray of the sea

ng the first few days too he feels tively. y saturated with sunshine,os of tone is the first result in our ground. Yery few indeed, as

finds himself perpetually in a of sir, and yet not taking cold. old settler that has to keep our le draft. Few who have not lived low they enter as an element saffairs of life within the trope native Hawaiians have their convenient words uka and kal, mauka and makal. Mauka it the aka, or high land; makat, wa, that is to say these words dward and seaward, as terms the points of the compass. The \*bern think in terms of "mauka"

and terms of locality. Natives enlighten such. th the channels nearly from dowing son" in the other di-In some districts, notably in is. Hawail, the windward half the leeward half as "lower." no particular difference

times to find a native house e trade-wind was unheard of, very sheltered localities, and and even in Honolulu e of huilding-lots is often more at on the question of weather or exposure, than on the facing-Santtary and arrangements all have to take the country, and the banisher though it still lurks in the when not under water, re the invigorator of weak are sufficiently protected. of course, have an expresthem, the makani kafather than a name of ma- ticularly in March.

during the night, and again at another rendered thus: Average temperature, favorite hour of eight or nine o'clock in the morning. The newcomer, if he has any health to specific of, finds them very innocuous and in no way interfering with out door exercise. On the months, the average of the coldest months, the average of the coldest months, the average of the coldest months. windward coast, particularly of the est, 78 degrees. The extreme lowest Island of Hawali, the rain-squalls form temperature is 50 degrees, the highest at sea, and coming in-shore are a fea-ture distinct from the rains of the ele-has only been noted once in twelve

vated forest bolt. As may be supposed, the frequent vations. alternation of sunshine and shower is The average daily range at Honolulu avorable to the rainbow, which is both is 11 degrees; a little over one-half solar and lunar, and very brilliant. In what it is in most points in the East-this connection an impressive scene is ern United States, though it is great-brought to mind that occurred at the er than that of Key West. It is much time of the conveying to the then less, propably about 8 degrees, on the Palace, of the remains of the late King windward coasts, and much greater on Kalakaua, upon their arrival from San account of radiation and sun penetra Francisco in the United States cruiser tion at elevations of from 2,000 to 4,00 Charleston. As the cortege entered feet, say from 16 degrees to 20 degrees from the smeet the gateway to the It will be noted that the above is spacious grounds, an unusually large cooler temperature by at least five de widowed queen, with government offi- account for this. clais and native citizens filling the The humidity of the atmosphere is of lawns and sanded walks, that the edifice course an element very important in was, so to speak, framed with sorrow- both vital and mechanical matters. At The climate of Hawali may be ex- ful glory. The rainbows of the show- Honolulu, though a maritime position, two words sunshine and cry valleys of Nuuanu and Manoa are it is not higher than in the average a remembered sight from the decks of Eastern United States. The average ships in Honolulu harbor, and travel- "relative humidity" figure being about ers by night see not infrequently that 72, which is really about the ideal resat, and a great equalit- elsewhere very rare sight, a lunar how, amount for comfort and health. On the

The noting of the above general fea- windward coasts, however, the damptures of climate will prepare the way ness is greater, but not excessive, and for alluding to the differentiation, so to strange to say, does not bear any fixed speak, of the varying local climates relation to the precipitation. Metals own, and caused by the mountains, which last everywhere are peculiarly dable to rust tralized the do not so much stand upon, as really on account of the salt in the air. This form, the whole group. The follow- doubtless permeates vegetation more ing specimen may illustrate the subject or less, particularly grasses, as domesare an outpost, a better than any precise or scientific tic animals do not need artificial "salt-

and the foot of Mauna Kea is a plateau | mospheric moisture. of from 2500 to 3000 feet elevation, over which the northeast trades, concentrat-ed and enforced by the hemming in by carry an umbreila for the heat, wear the two mountains, draw ferociously, ventilated or cork hats, don the "pug-That is to say, just accompanied by rains nearly horizontal, garee," and dress in pongee or in white in the atmosphere is and decidedly "driving." The traveler linen. We of the present day have outcoast in what seems to him a general anybody does anywhere,-if that will storm, and yet, after a few miles ride express it. Feit hats or straw hats, all ere checked by on a descending grace, find the gentlest are an fait, but no "chimney-pots" if The of sunny weather, and in a mile or two you please; woolen or linen, tailor-made more meet a fresh and balmy sea- or muslin, just as one fancies, but for mes the of Walmea. Away on the slopes of the To close with, the question of the Kona mountain at the same time is a valetudinarian must be answered, also calm forest belt, over which there are of the prospective permanent settler. thick mid-day fogs and abundant after- The white races keep up their strength mountains of Hawaii. noon showers, ministering to the coffee and vigor here, if they are perpetually plantations; while directly seaward on the move, either here in the open coral-island regions of from (makal of) the same forests are air, or if sedentary, on frequent visits nests. Therefore, it is stony coasts paking in the merciless to "the coast." Early hours, just Therefore, it is stony coasts paking in the merciless to sun, with less than five inches per year enough work, horse-back riding, moun of rainfall,

The above examples will suggest to found recovery here when not far gone. strikes a rain-spell. Every- the reader the main facts as to the var- But the natives had their catarrhs and ms abiaze with it, and yet not lety of climates on Hawali. Mauna bronchial affections, though better The bread leaves of Ken is 13.825 feet in height: Mauna Loa. ees glisten in its wealth, the 150 feet less. These and other moun- of life. is steeped in it. It seems tains throw the atmosphere coming in- good nature. the cane-fields were only land, moist with marine vapor, upsunshine into warm-colored ward, and cooling it thus, receive the he sand beaches, reefs, and consequent heavy rains that produce dazziing with it. It the heavy forests, which in turn proall day on the steeps mote more rain. The fainfall in the Hilo forest averages 200 inches a year accustomed to the subdued at Olaa 175, and at Hilo itself from 130 perate sones is puzzled with to 150. The cleared and dried air rolls effects of Hawaii, onward, comes to rest in the lee of the is difficult to render in fidel- mountain, and changes to sea-breezes salure, and hardness rather than Other atmosphere sweeps around the points of land to the north and south, and curving inland again, becomes a see been the successful efforts to back current, still vapor-laden, rolls up the really impressive portions the lee side of the mountain, and feeds nountains, cloud, valley, and the rains of the Kona mountains spok-

ceives about 60 inches per year. On a lower island, like Oahu, the wind draws through the passes, and the leevaries very greatly with the locality.

The trade wind, wool-pack clouds tain sides and tops and "bunched up" ernoons. In point of fact, however, the great piles of white cloud are formed on tien, and they are so used rath- the spot out of the cooled air on well known meteorological principles,

Strangers inquiring about climate are always treated to accounts of the dire "Kona storm" of winter. An article the winds influences Hawaiian like the present may be expected to

Ty, all sailing craft bound to rial, thus drifted was the "kona" directhe strong trades draw- particularly the southwest district of an island, or the southwest horizon. Hence, the name "Kona storm," "ma-kani Kona." The name is not given to southerly breezes, nor to squalls, but to it is easy enough to capture specimens a continuous storm with rain, general- for examination without causing injury ion is known as "upper" (Ha- ly, like well-regulated cyclones, veering to the northwest before clearing up, altogether superfluous. The albatross but sometimes holding its own for a week at a time. -Like other storms in are also affected, this group, it attacks especial areas novel interest. A small metal frame with especial effect on account of the should be made in the shape of a hollow configuration of the land. Honolulu is triangle, attached to a hundred yards term "mollymauk" (a word spelled in never a sufferer through damage from menerally chose the knolls this wind, which is deadened by the sized piece of cork. The sides of the weeks to distinguish the different mountain heavy sea on the bar is inconvenient of fat pork, the hard skin of which to shipping. But on the opposite side is securely bound thereto; the balt is of the island, strangely enough, it pours thrown astern, and the line is slowly down the mountain gorges with tre- paid out. Presently a great albatross mendous force. November is the especial "habitat" of the Kona, though it may come at any time in the winter months, and on the other hand, may not occur for two or three years at a time. winters. Dry northern prevail akin to the northers of the Gulf of Mexico and Central America, lacking severity through absence of continental influence. A northwesterly swell breakinds that are children of ing on the reefs is an almost sure pre-Like the ancient Greeks monition of more or less rain, but not they had specific names of heavy rain storms. "High barome-The westerly winds had ter" storms are from the N. N. E., par-

Thunder and lightning are not ab-sent, nor on the other hand frequent or severe. An average of about six per the haul is made hand over hand, until Francaise, be good friends with a year of electric occurrences at any one station is shown by records. These never come with regular trades, and effects imaginable, though calms or light easterly airs may military orientation allud- prevail on the sea-level, the movement may be a good deal of a of the successive discharges overhead It must be said, is always from the westerly half of the to the healthy nature compass. The more northerly this diaccompanied as it is by and lightning. The evening is the es- hands, to save it from its friends. cast of the scenery, pecial time of such storms, the months | Once safely on deck, the mandibles of seeing the cocoanut of November and February the periods are tied together, for otherwise the bird throws up and they come in throws up an oily fluid, a disagreeable hopes of recovery. I took a bottle of the first period throws up and the connection with the cyclonic disturbation of the seenery. The doctors had given up all throws up an oily fluid, a disagreeable hopes of recovery. I took a bottle of the first period throws up and the tribe. Subfur of nature everlasting ances, the afternoon summer thunder lect to this precaution, it may wander rhoea Remedy to the house telling storm being rare, and the tornado un- gravely around to survey the new hori- them I felt sure it would do good if used storm being rare, and sometimes known. Hall is occasional, but rare at zon of life. The large eyes gaze with according to directions. In two days'

years of personal and standard obser-

and brilliant rainbow so formed itself grees than that of many other places in on the background of clouds and show- the same latitude, notably of Havana. ers and mist that covered the moun- The ocean current coming down to the tains, and so over-arched the palace Islands from the Oregon coast, the last with all its striking array of weeping, work of the great Kuro-Siwo, of Japan, wailing Hawailans gathered on the bai- bringing with it the cooners and the conies and porches, and around their logs of the Columbia river region, will

ing." With southwesterly winds the air In the north part of the Island of is very damp, but with northerly winds Hawaii, between the Kohala mountain the native takes cold from lack of at-

Early settlers in Honolulu imagined breeze from the west. It is storming, a traveler, a good raincoat must be in

tain climbing, cycle riding, and yacht-At Kapiolani Park, Waikiki, there ing, are just as beneficial here as eisewill be some months registered less where. The tendency is, of course, to of Hawaii. It is a land than half an inch of rain, while in up- laziness and deterioration, but there is per Nuuanu Valley near the Pali, and not that exhausting reaction after exof fog only actual rain squalls not six miles away in a straight line, cited exercise that there is in colder there will be twelve inches in the same climates, and the nervous sufferer is what is nautically termed month, the yearly ratio being about 25 gradually built up by the abundant weather." to 125 inches for the two places respectively. gentle airs. Weak-lunged persons have giving them a better chance where on earth, its climate may be CURTIS J. LYONS

CATCHING THE ALBATROSS.

The Absence of Fear of Man in This Great and Famous Sea Bird.

By the time that we had approached ed, the albatross meanwhile reposing Tristan da Cunha three or four species affectionately in the arms of the second officer. The specimen happens to be a of albatross had congregated round the of albatross had congregated round the small one, but the wing expansion ship, as many as thirty birds settling from tip to tip is not less than 10 feet; on the water astern in a manner highly the extreme length of body is 3 feet 6 en of above. The ...ona coffee beit re- satisfactory for close and continuous observation. After half a gale of wind a lull not infrequently occurs, when the side calms and sea-breezes are rare, speed is reduced to two or three knots; except in the winter season. The rain- then the hungry creatures literally ment of the trade winds can fall of Oahu is about forty inches, but clamor for food. Directly a bird intends to alight the legs appear strad- Cunha-7,000 feet above the sea level. are always floating over the Pacific. dling downward in ungainly fashion- The plumage varies greatly on different It looks as if they caught on the moun- a moment when even an albatross looks specimens and at different seasons; like an ill balanced goose of unwieldy young ones, like our friend under obin great masses, particularly in the aft- size. For half a minute it runs along the surface of the waves, treading water, so to speak, until the enormous wings become manageable. Then the horn color at the tip of the curve of the bird swims with both wings thrown culmen. The head, neck and body, toback like a pair of lateen sails, a very argonaut on the translucent sea. At length the difficulty is overcome, the wings are packed away, and-like a above and white underneath, tipped large gull-it rides the waves with con- above and below with black-an insummate ease. Sometimes it paddles variable character of the great albato and fro, or, again, it dives grace- tross. The tall is chiefly white, relieved to and fro, or, again, it dives grace- tross. The tail is chiefly white, relieved and "down to Kauai," the the name Rarotonga, which in Hawai- fully beneath the surface after squids by biotches of black, which give the apto and fro, or, again, it dives graceand W. N. W. New comers low, or leeward. "Kona" is probably a birds, perhaps, gravely assemble to inis in a lower latitude, and the ging, or being drifted by a current and overboard, to bob up and down idly on winds. The direction toward which the waves, and inquisitive bills peck ally. Of course in this mari- canoes, logs, and other floating mate- vigorously at the unsatisfactory flotsam, until a battle royal disperses the of Hawali have to "beat up tion. So Kona is the southwest; more family party. The wiser ones mean- average wing measurement, although while hover in midair, craning their a gigantic specimen in the Sydney Munecks to throw penetrating glances from a superior height. With the birds settling by the dozen,

or pain. Any sharply barbed hook is absolutely enjoy the excitement and round the Horn-are nearly pure white the sport obtained is not without a of stout line, and kept afloat by a good. divers ways), and it took me many background, though the metal frame are then covered with bits swoops through the air, impelled by curiosity to investigate the nature of the floating cork. It settles before the amount of training that is scarcely less dainty morsel of food, numbers of birds than wonderful. The fashionable man follow suit each one made bold by competition, and then the sport begins, At this moment additional line must be given in order to compensate for the progression of the ship, thus enabling the bird to seize the desired food. With play polo, keep fine horses, drive a a sudden rush the supreme effort is phaeton of irreproachable build, own made. Once or twice the attempt proves ineffectual, but, rendered bold by greediness, a final grab finds the during each year), posses a motor car curved bill securely wedged inside the of unequaled speed capacity, hunt or apex of the triangle, as the fierce tugs shoot en campagne rent a box at the on the line quickly indicate. Steadily opera, and possibly at the Comedica helpless albatross is bodily lifted on to the peop in an absolutely uninjured condition. A slackened line enables the bird to escape, and if scattered wits permitted such an effort, sudden flight would also obtain release. The other birds invariably commence to attack a captured comrade, a steady pull being

the fact in the immediate in times of fall, with the temperate in the immediate in times of fall, with the temperate in the immediate in times of fall, with the temperate in the immediate in times of fall, with the temperate in times of fall in times of fal the days of the year have a extreme peak of Mauna Kea.

Statistically speaking, the climate of around. True, it objects slightly to the Ohio. Eald by Benson, Smith & Co., brocess of measurement, pecking Ltd., wholesale agents.

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sharply by way of protest, but a gentle

box on the ear soon induces submis-

inches, and the formidable bill meas-

ures upward of 4 inches. Everything

the adjacent island of Tristan da

gether with the breasts, are principally

white; the mantle has beautiful pen-

cillings of black. The wings are brown

above and white underneath, tipped

pearance of a black bar edging the white coverts. The legs, feet and toes have a peculiar bluish gray, with a sus-

picion of a livid pinkish hue somewhat

difficult to define. The black pupils are

I found 11 feet 6 inches to be the

seum extends 17 feet 6 inches with a

bill 6 inches long. All sailors are famil-

iar with the great wandering albatross

in its varying plumage. While the

young and even second-year birds pos-

sess every variety of brown coloration, the real mature specimens-especially

with the black tips above and below.

Most of the other species are hopelessly

confused by sailors under the general

THE PARISIAN EXQUISITE.

To be truly fashionable in Paris, says

the Universal Magazine, involves an

has to be a "sport" of some kind, and

to belong to one or other of the

"Union," "Rue Royale," "Jockey."

"Diner des Vingt." He must either

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opera, and possibly at the Comedie-

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### PAJAMAS

....IN....

about the great wandering albatross (D. exulans) is vast—the wings are enormous; the flight is reckoned by the Flannel, Linen, thousand miles, and its very nest may be found within the extinct crater on Sateen, Crepe, servation, having a mottled brown appearance. The bill has a rosy tinge at Madras the base of the mandibles, passing into

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